IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application

Inventor(s):

Shek Fai Lau et al.

Appl. No.:

Divisional of 10/642,927

Filed:

September 12, 2003

Title:

Ion Emitting Air-Conditioning Devices with Electrode

Cleaning Features

PATENT APPLICATION

Art Unit:

Unknown

Examiner:

Unknown

Customer No. 23910

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

I hereby certify that this correspondence is being deposited in the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, PO Box

(Attorney Signature)

1450, Alexandria VA 22313-1450, on September 12, 2003

Jeffrey R. Kurin, Reg. No. 41,132

Signature Date: September 12, 2003

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.56

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Dear Sir:

It is requested that the information identified in this statement be considered by the Examiner and made of record in the above-identified application. This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56. If this is a continuation, divisional or continuation-in-part application, it is understood that the Examiner will consider all information which was considered by the Office in a parent application. MPEP §609. Such information therefore is not listed herein unless it is desired that the information be printed on a patent issuing from the subject application.

Enclosed with this statement are the following:

- X Form PTO-1449. The Examiner is requested to initial the form and return it to the undersigned in accordance with M.P.E.P. §609.
- The present application is being/was filed after June 30, 2003. In accordance with the pre-Official Gazette waiver of 37 CFR 1.98 (a)(2)(i) posted at pac/dapp/opla/preognotice/idswouscopies.htm, copies of cited U.S. patents and publications are not enclosed. Additionally, all cited foreign patent documents and non-patent literature are not enclosed because they were previously submitted in an Information Disclosure Statement by applicant in a parent application (see legend at end of Form PTO-1449), from which benefit under 35 U.S.C. §120 is claimed, which Information Disclosure Statement complies with the September 8, 2000 or subsequent revision of 37 C.F.R. §1.98(a-c), as allowed under 37 C.F.R. §1.98(d)(1).
- A copy of each cited document as required by 37 C.F.R. §1.98 is enclosed.
- A copy of each cited document as required by 37 C.F.R. §1.98 is enclosed, except for those items designated by an asterisk (*), which were previously submitted by the applicant in a parent application, from which benefit under 35 U.S.C. §120 is claimed, with an Information Disclosure

Statement submitted in the parent application which complies with the September 8, 2000 or subsequent revision of 37 C.F.R. §1.98(a-c), as allowed under 37 C.F.R. §1.98(d)(1).

- If any of the cited/submitted documents is in a foreign language, a concise explanation of relevance is provided pursuant to 37 C.F.R. §1.98(a)(3)(i). For foreign language documents cited in a search report by a foreign patent office, the requirement for a concise explanation of relevance is satisfied by the submission herewith of an English language version of the search report. MPEP §609A(3). If a written English-language translation of a non-English language document, or portion thereof, is within the possession, custody or control of, or is readily available to any individual designated in §1.56(c), a copy of the translation accompanies this statement, 37 C.F.R. §1.98(a)(3)(ii), and satisfies the requirement for a concise explanation of relevance, MPEP §609A(3).
- ___ PTA Statement under 37 C.F.R. §1.704(d). Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of the information disclosure statement.

This statement should be considered because:

- X 37 C.F.R. §1.97(b). This statement qualifies under 37 C.F.R. §1.97, subsection (b) because:
 - (1) It is being filed within three months of the filing date of an application other than a continued prosecution application under § 1.53(d);

-- OR --

(2) It is being filed within 3 months of entry of a national stage;

-- OR --

- (3) It is being filed before the mailing date of the first Office Action on the merits,
- (4) It is being filed before the mailing date of the first Office Action after the filing of a Request for Continued Examination under 37 C.F.R. §1.114.
- X Fee Authorization. The Commissioner is hereby authorized to charge underpayment of any additional fees or credit any overpayment associated with this communication to Deposit Account No. 06-1325.

Respectfully submitted,

Jeffrey R. Kurin, Reg. No. 41,132

Date: September 12, 2003

Fliesler Dubb Meyer & Lovejoy LLP Four Embarcadero Center, Fourth Floor San Francisco, California 94111-4156 415/362-3800 Telephone

(Substitute)

US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE CITATION BY APPLICANT

Attorney Docket Number SHPR-01361USE

Serial No.

Division of 10/642,927

Applicant

Shek Fai Lau et al.

Filing Date

September 12, 2003

Group Art Unit Unknown

			, ,	U.S. PATENTS			
Examiner Initial		Patent Number	Issue Date	Name	Class	Subclass	Filing Date
	1.	1,791,338 A	2/3/1931	Wintermute			4/12/1927
	2.	1,869,335 A	7/26/1932	Day			12/13/1926
	3.	2,327,588 A	8/24/1943	Bennett			6/1/1940
	4.	2,359,057 A	9/26/1944	Skinner			2/28/1942
	5.	2,509,548 A	5/30/1950	White			5/27/1948
	6.	2,949,550 A	8/16/1960	Brown			7/3/1957
	7.	3,018,394 A	1/23/1962	Brown			7/3/1957
	8.	3,026,964 A	3/27/1962	Penney			5/6/1959
	9.	3,518,462 A	6/30/1970	Brown			8/21/1967
	10.	3,581,470 A	6/1/1971	Aitkenhead et al.			12/30/1969
	11.	3,638,058 A	1/25/1972	Fritzius			6/8/1970
	12.	3,744,216 A	7/10/1973	Halloran			8/7/1970
	13.	3,981,695 A	9/21/1976	Fuchs			11/2/1973
	14.	3,984,215 A	10/5/1976	Zucker			1/8/1975
	15.	4,052,177 A	10/4/1977	Kide			3/1/1976
	16.	4,092,134 A	5/30/1978	Kikuchi			6/3/1976
	17.	4,138,233 A	2/6/1979	Masuda			6/16/1977
	18.	4,209,306 A	6/24/1980	Feldman et al.			11/13/1978
	19.	4,227,894 A	10/14/1980	Proynoff			10/10/1978
	20.	4,231,766 A	11/4/1980	Spurgin			12/11/1978
	21.	4,232,355 A	11/4/1980	Finger et al.			1/8/1979
	22.	4,244,710 A	1/13/1981	Burger			5/9/1978
	23.	4,244,712 A	1/13/1981	Tongret			3/5/1979
	24.	4,253,852 A	3/3/1981	Adams			11/8/1979
	25.	4,259,452 A	3/31/1981	Yukuta et al.			5/15/1979
	26.	4,266,948 A	5/12/1981	Teague et al.			1/4/1980
	27.	4,282,014 A	8/4/1981	Winkler et al.			5/21/1979
	28.	4,284,420 A	8/18/1981	Borysiak			8/27/1979

(Substitute)

US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE CITATION

BY APPLICANT

Attorney Docket Number SHPR-01361USE

Serial No. Division of 10/642,927

Shek Fai Lau et al.

Filing Date

Applicant

September 12, 2003

Group Art Unit Unknown

<u></u>					September 12, 20	03	Un	known
	29.	4,318,718 A	3/9/1982	Utsumi	et al.			7/14/1980
	30.	4,342,571 A	8/3/1982	Haya	shi			6/14/1978
	31.	4,357,150 A	11/2/1982	Masuda	et al.			2/5/1981
	32.	4,386,395 A	5/31/1983	Franci	s, Jr.			12/19/1980
	33.	4,413,225 A	11/1/1983	Donig	et al.			7/17/1981
	34.	4,445,911 A	5/1/1984	Lin	d			12/15/1981
	35.	4,477,263 A	10/16/1984	Shaver	et al.			6/28/1982
	36.	4,496,375 A	11/29/1985	Le Vai	ntine			6/14/1983
	37.	4,502,002 A	2/26/1985	And	lo			9/2/1982
	38.	4,509,958 A	4/9/1985	Masuda	et al.			10/8/1982
	39.	4,516,991 A	5/14/1985	Kawas	hima			4/25/1982
	40.	4,536,698 A	8/20/1985	Shevalenl	ko et al.			8/25/1983
	41.	4,587,475 A	5/6/1986	Finney, J	r. et al.			7/25/1983
	42.	4,600,411 A	7/15/1986	Santan	naria			4/6/1984
	43.	4,601,733 A	7/22/1986	Ordines	et al.			9/27/1984
	44.	4,626,261 A	12/2/1986	Jorgei	nsen			12/12/1985
	45.	4,643,745 A	2/17/1987	Sakakiba	ra et al.			12/17/1984
	46.	4,659,342 A	4/21/1987	Lin	d			4/30/1984
	47.	4,674,003 A	6/16/1987	Zyll	ka			4/3/1985
	48.	4,686,370 A	6/11/1987	Blac	ch			2/13/1985
	49.	4,689,056 A	8/25/1987	Noguch	i et al.			8/29/1986
	50.	4,694,376 A	9/15/1987	Gessl	auer			9/26/1985
	51.	4,713,093 A	12/15/1987	Hans	son			7/8/1986
	52.	4,713,724 A	12/15/1987	Voel	kel			6/30/1986
	53.	4,726,812 A	2/23/1988	Hir	th			3/26/1987
	54.	4,726,814 A	2/23/1988	Weitr	nan			6/27/1986
	55.	4,772,297 A	9/20/1988	Anz	zai			8/19/1986
	56.	4,779,182 A	10/18/1988	Mickal	et al.			6/24/1986
	57.	4,781,736 A	11/1/1988	Cheney	et al.	_		11/20/1986
	58.	4,786,844 A	11/22/1998	Farrell	et al.			3/30/1987

(Substitute)

US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE CITATION BY APPLICANT

Attorney Docket Number SHPR-01361USE

Serial No. Division of 10/642,927

Applicant

Shek Fai Lau et al.

Filing Date

September 12, 2003

Group Art Unit Unknown

 			September 12, 2003	Unknown
 59.	4,789,801 A	12/6/1988	Lee	4/3/1987
 60.	4,808,200 A	2/28/1989	Dallhammer et al.	11/12/1987
 61.	4,811,159 A	3/7/1989	Foster, Jr.	3/1/1988
 62.	4,940,470 A	7/10/1990	Jaisinghani et al.	3/23/1988
63.	4,941,068 A	7/10/1990	Hofmann	8/1/1988
 64.	5,010,869 A	4/30/1991	Lee	8/11/1989
65.	5,024,685 A	6/18/1991	Torok et al.	6/30/1988
66.	Re. 33,927	5/19/1992	Fuzimura	9/15/1989
67.	5,141,529 A	8/25/1992	Oakley et al.	6/28/1990
 68.	5,183,480 A	2/2/1993	Raterman et al.	10/28/1991
 69.	5,196,171 A	3/23/1993	Peltier	3/11/1991
 70.	5,215,558 A	6/1/1993	Moon	6/11/1991
 71.	5,217,504 A	6/8/1993	Johansson	3/20/1990
 72.	5,296,019 A	3/22/1994	Oakley et al.	8/24/1992
73.	5,302,190 A	4/12/1994	Williams	6/8/1992
74.	5,315,838 A	5/31/1994	Thompson	8/16/1993
 75.	5,316,741 A	5/31/1994	Sewell et al.	5/30/1991
76.	5,378,978 A	1/3/1995	Gallo et al.	4/2/1993
77.	5,437,713 A	8/1/1995	Chang	12/1/1994
78.	5,484,472 A	1/16/1996	Weinberg	2/6/1995
79.	5,484,472 C1	2/20/2001	Weinberg	2/6/1995
80.	5,535,089 A	7/9/1996	Ford et al.	10/17/1994
81.	5,578,112 A	11/26/1996	Krause	6/1/1995
82.	5,601,636 A	2/11/1997	Glucksman	5/30/1995
83.	5,656,063 A	8/12/1997	Hsu	1/29/1996
84.	5,667,564 A	9/16/1997	Weinberg	8/14/1996
 85.	5,669,963 A	9/23/1997	Horton et al.	12/26/1995
86.	5,698,164 A	12/16/1997	Kishioka et al.	3/30/1995
87.	5,702,507 A	12/30/1997	Wang	9/17/1996
 88.	5,779,769 A	7/14/1998	Jiang	10/24/1995

FORM PTO-1449 (Substitute)

US DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

Attorney Docket Number SHPR-01361USE

Serial No. Division of 10/642,927

Applicant

Shek Fai Lau et al.

INFORMATION DISCLOSURE CITATION BY APPLICANT

Filing Date Group Art Unit
September 12, 2003 Unknown

 			September 12, 2003	Unknown
89.	5,814,135 A	9/29/1998	Weinberg	9/15/1997
90.	5,879,435 A	3/9/1999	Satyapal et al.	1/6/1997
91.	5,893,977 A	4/13/1999	Pucci	5/12/1997
92.	5,911,957 A	6/15/1999	Khatchatrian et al.	10/23/1997
 93.	5,972,076 A	10/26/1999	Nichols et al.	9/28/1998
 94.	5,975,090 A	11/2/1999	Taylor et al.	9/29/1988
95.	5,997,619 A	12/7/1999	Knuth et al.	7/10/1998
96.	6,019,815 A	2/1/2000	Satyapal et al.	9/11/1998
97.	6,042,637 A	3/28/2000	Weinberg	9/28/1998
98.	6,063,168 A	5/16/2000	Nichols et al.	8/11/1997
99.	6,086,657 A	7/11/2000	Freije	2/16/1999
100.	6,118,645 A	9/12/2000	Partridge	4/6/1995
 101.	6,126,722 A	10/3/2000	Mitchell et al.	7/28/1998
 102.	6,126,727 A	10/3/2000	Lo	1/28/1999
103.	6,149,717 A	11/21/2000	Satyapal et al.	12/22/1998
104.	6,149,815 A	11/21/2000	Sauter	11/23/1999
 105.	6,152,146 A	11/28/2000	Taylor et al.	6/25/1999
 106.	6,163,098 A	12/19/2000	Taylor et al.	1/14/1999
107.	6,176,977 B1	1/23/2001	Taylor et al.	11/5/1998
108.	6,182,461 B1	2/6/2001	Washburn et al.	7/16/1999
109.	6,182,671 B1	6/6/2001	Taylor et al.	10/8/1999
 110.	6,193,852 B1	2/27/2001	Caracciolo et al.	5/28/1997
111.	6,212,883 B1	4/10/2001	Kang	3/3/2000
 112.	6,228,149 B1	5/8/2001	Alenichev et al.	1/20/1999
113.	6,252,012 B1	6/26/2001	Egitto et al.	8/30/1999
 114.	6,270,733 B1	8/7/2001	Rodden	2/17/2000
115.	6,277,248 B1	8/21/2001	Ishioka et al.	1/5/2000
116.	6,282,106 B2	8/28/2001	Grass	12/20/2000
 117.	D449,097 S	10/9/2001	Smith et al.	5/1/2000
 118.	6,302,944 B1	10/16/2001	Hoenig	4/18/2000

FORM PTO-1449 (Substitute)

US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE Attorney Docket Number SHPR-01361USE

Serial No. Division of 10/642,927

Applicant

Shek Fai Lau et al.

INFORMATION DISCLOSURE CITATION **BY APPLICANT**

Filing Date Group Art Unit September 12, 2003 Unknown

		U.S. PA	TENT PUBLICATIONS	
138.	6,688,434 B1	7/8/2003	Taylor et al.	7/2/2002
137.	6,585,935 B1	7/1/2003	Taylor et al.	11/20/1998
136.	6,544,485 B1	4/8/2003	Taylor	1/29/2001
135.	6,504,308 B1	1/7/2003	Krichtafovitch et al.	10/14/1999
134.	6,471,753 B1	10/29/2002	Ahn et al.	10/29/2002
133.	6,464,754 B1	10/15/2002	Ford	2/29/2000
132.	6,451,266 B1	9/17/2002	Lau et al.	9/25/2000
131.	6,447,587 B1	9/10/2002	Pillion et al.	12/6/2001
130.	6,391,259 B1	5/21/2002	Malkin et al.	6/26/1997
129.	6,379,427 B1	4/30/2002	Siess	12/6/1999
128.	6,373,723 B1	4/16/2002	Wallgren et al.	6/18/1999
127.	6,372,097 B1	4/16/2002	Chen	4/14/2000
126.	6,362,604 B1	3/26/2002	Cravey	9/28/1999
125.	6,350,417 B1	2/26/2002	Lau et al.	5/4/2000
124.	6,348,103 B1	2/19/2002	Ahlborn et al.	4/3/1999
123.	6,328,791 B1	12/11/2001	Pillion et al.	5/3/2000
122.	6,315,821 B1	11/13/2001	Pillion et al.	1/11/2001
121.	6,312,507 B1	11/6/2001	Taylor et al.	2/12/1999
120.	6,309,514 B1	10/30/2001	Conrad et al.	11/7/1994
119.	D449,679 S	10/23/2001	Smith et al.	5/1/2000

Examiner Initial		Patent Application Publication Number	Publication Date	Applicant
	139.	2001/0004046 A1	6/21/2001	Taylor et al.
	140.	2001/0048906 A1	12/6/2001	Lau et al.
	141.	2002/0069760 A1	6/13/2002	Pruette et al.
	142.	2002/0079212 A1	6/27/2002	Taylor et al.
	143.	2002/0098131 A1	7/25/2002	Taylor et al.
	144.	2002/0100488 A1	12/19/2000	Taylor et al.
	145.	2002/0122751 A1	9/5/2002	Sinaiko et al.

(Substitute)

US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE CITATION BY APPLICANT

Attorney Docket Number
SHPR-01361USE

Serial No.

Division of 10/642,927

Applicant

Shek Fai Lau et al.

Filing Date

September 12, 2003

Group Art Unit
Unknown

146	2002/0122752 4.1	0/5/2002	T-11
146.	2002/0122752 A1	9/5/2002	Taylor et al.
147.	2002/0127156 A1	9/12/2002	Taylor
148.	2002/0134664 A1	9/26/2002	Taylor et al.
149.	2002/0134665 A1	9/26/2002	Taylor et al.
150.	2002/0141914 A1	10/3/2002	Taylor et al.
151.	2002//0144601 A1	10/10/2002	Palestro et al.
152.	2002/0146356 A1	10/10/2002	Sinaiko et al.
153.	2002/0150520 A1	10/17/2002	Taylor et al.
154.	2002/0152890 A1	10/24/2002	Leiser
155.	2002/0155041 A1	10/24/2002	McKinney, Jr. et al.
156.	2002/0170435 A1	11/21/2002	Joannou
157.	2003/0005824 A1	1/9/2003	Katou et al.
158.		-	
159.			
139.			

PENDING U.S. PATENT APPLICATIONS

-					Petition t	o Expunge
Examiner Initial		Application Number	Filing Date	Inventor	Yes	No
	160.	09/669,253	9/25/2000	Taylor et al.		X
	161.	09/924,600	8/8/2001	Taylor et al.		X
	162.	10/074,096	2/12/2002	Taylor et al.		Х
	163.	10/074,347	2/12/2002	Taylor et al.		X
	164.	10/074,379	2/12/2002	Taylor et al.		X
I	165.	10/278,193	10/21/2002	Reeves		Х
	166.	10/405,193	4/1/2003	Taylor		Х

FOREIGN PATENT DOCUMENTS

					Tran	slation
Examiner Initial		Document Number	Publication Date	Country	Yes	No
	167.	EP 0433152 A1	12/10/1990	Europe		1
	168.	WO00/10713 A1	3/2/2000	International	1	
	169.	WO 01/47803 A1	7/5/2001	International	1	
	170.	WO 01/48781 A1	7/5/2001	International	1	

FORM PTO-1449 Serial No. US DEPARTMENT OF COMMERCE Attorney Docket Number SHPR-01361USE Division of 10/642,927 (Substitute) PATENT AND TRADEMARK OFFICE Applicant Shek Fai Lau et al. INFORMATION DISCLOSURE CITATION BY APPLICANT Group Art Unit Filing Date September 12, 2003 Unknown 9/7/2001 171. WO01/64349 A1 International 172. WO01/85348 A2 11/15/2001 International 173. WO02/20162 A2 3/14/2002 International 174. WO02/20163 A2 3/14/2002 International 1 4/18/2002 175. WO02/30574 A1 International 1 176. 4/25/2002 International WO02/32578 A1 177. WO02/42003 A1 5/30/2002 International 178. 8/29/2002 International WO02/066167 A1 179. FR 2690509 10/29/1993 France 180. JP 10137007 5/26/1998 Japan 181. JP 11104223 4/20/1999 Japan 182. JP 2000236914 9/5/2000 Japan OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) 183. 'Zenion Elf Device," drawing, prior art. 184. Electrical schematic and promotional material available from Zenion Industries, 7 pages, August 1990. 185. Promotional material available from Zenion Industries for the Plasma-Pure 100/200/300, 2 pages, August 1990. 186. Promotional material available from Zenion Industries for the Plasma-Tron, 2 pages, August 1990. 187. LENTEK Sila™ Plug-In Air Purifier/Deodorizer product box copyrighted 1999, 13 pages.

EXAMINER DATE CONSIDERED

EXAMINER: Initial if references considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

+Copies not submitted because they were submitted in prior application SN 10/642,927, filed August 18, 2003, and relied upon under 35 USC §120.